

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY DOCKET NO.	SERIAL NO.
	57626 (46775)	To Be Assigned
	APPLICANT(S) W. Rhine, et al.	
	FILING DATE	GROUP NO.
	July 22, 2003	To Be Assigned

UNITED STATES PATENT DOCUMENTS

EXAM. INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,260,855	11/1993	Kaschmitter et al.			
	AB	5,284,519	2/1994	Gadgil			
	AC	5,358,802	10/1994	Mayer et al.			
	AD	5,376,209	12/1994	Stoakley et al.			
	AE	5,502,156	3/1996	St. Clair et al.			
	AF	5,520,960	5/1996	Rancourt et al.			
	AG	5,575,955	11/1996	Caplan et al.			
	AH	5,601,938	2/1997	Mayer et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	CA	Siyu Ye, et al., "A New Electrocatalyst Consisting of a Molecularly Homogeneous Platinum-Aerogel Nanocomposite", Can. J. Chem., 75 (1997) 1666.
	CB	Elena Bekyarova and Katsumi Kaneko, "Structure and Physical Properties of Tailor-Made Ce, Zr-Doped Carbon Aerogels", Advanced Materials, 12, [21] (2000) 1625.
	CC	R. W. Pekala, et al., "Carbon Aerogels for Electrochemical Applications", Journal of Non-Crystalline Solids, 225 (1998), 74.
	CD	R. Petricevic, et al., "Planar fiber reinforced carbon aerogels for application in PEM fuel cells", Carbon, 39 (2001) 857.
	CE	Siyu Ye, et al., "A new fuel cell electrocatalyst based on carbonized polyacrylonitrile foam", J. Electrochem. Soc., 144, [1], (1997) 90.
	CF	J. Wang, et al., "Carbon cloth reinforced carbon aerogel films derived from resorcinol formaldehyde", J. Porous Materials, 8 (2001) 159.
	CG	J. Wang, et al., "Electrical Transport Properties of Carbon Aerogels", J. of Porous Materials, 8 (2001) 167.
	CH	Y. Hanzawa, et al., "Activated carbon aerogels", Langmuir, 12, [26], (1996) 6167.

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EXAM. INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AI	5,677,418	10/1997	Thompson et al.			
	AJ	6,332,990	12/2001	Mayer et al.			2/1999
	AK	6,554,648	4/8/2003	Nesbitt et al.			9/28/2000

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	CI	J. M. Miller and B. Dunn, "Morphology and electrochemistry of ruthenium/carbon aerogel nanostructures", Langmuir, 15 (1999) 799.
	CJ	G. Biesmans, et al., "Polyurethane based organic aerogels and their transformation into carbon aerogels", Journal of Non-Crystalline Solids, 225, (1998) 64.
	CK	R. Saliger, et al., "High surface area carbon aerogels for supercapacitors", Journal of Non-Crystalline Solids, 225 (1998) 81.
	CL	Alexander E. Gash, et al., "New Sol-gel Synthetic Route to Transition and Main-group Metal Oxide Aerogels Using Inorganic Salt Precursors", Journal of Non-Crystalline Solids, 285 (2001), 22.
	CM	M. Glora, et al., "Integration of Carbon Aerogels in PEM Fuel Cells," J. Mon-Cryst. Solids, 285 (2001) 283.
	CN	F.J. Maldonado-Hodar, et al., "Synthesis and textural characteristics of organic aerogels, transition-metal-containing organic aerogels and their carbonized derivatives," Carbon, 37 (1999) 1199.
	CO	E. Frackowiak and F. Beguin, "Carbon materials for the electrochemical storage of energy in capacitors," Carbon, 39 (2001) 937.
	CP	V. Bock, et al., "Influence of Monomer and Catalyst Concentration on RF and Carbon Aerogel Structure", Journal of Non-Crystalline Solids, 225 (1998), 69.

EXAMINER:

DATE:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: W. Rhine, et al

SERIAL NO.: Not yet assigned GROUP: Not yet assigned

FILED: July 22, 2003 EXAMINER: Not yet assigned

FOR: POLYIMIDE AEROGELS, CARBON AEROGELS, AND METAL
CARBIDE AEROGELS AND METHODS OF MAKING SAME

Mail Stop: New Application
Commissioner for Patents
P.O. Box 1450
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CERTIFICATE OF EXPRESS MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as "Express Mail Post Office To Addressee," Express Mailing Label No. EV343734435US in an envelope addressed to the Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on July 22, 2003

By: Michelle P. Chicos
Michelle P. Chicos

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Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto.

II. COPIES

- a. ☒ Submitted herewith is a legible copy of (i) each U.S and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.

III. CONCISE EXPLANATION OF THE RELEVANCE

(check at least one box)

- a. ☐ Except as may be indicated below in (b), all of the patents, publications or other information are in the English language or were cited in an English language Search Report, a copy of which is attached hereto (concise explanation not required).
- b. ☐ A concise explanation of the relevance of all patents, publications or other information listed that is not in the English language is as follows:
- c. ☐ The following additional information is provided for the Examiner's consideration:

FEES

IV. THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(b)

(check one box)

- a. ☒ within three months of the filing date of a national application (37 C.F.R. § 1.97(b) (1)). No fee or certification is required.
- b. ☐ within three months of the date of entry of the national stage as set forth in §1.491 in an international application (37 C.F.R. § 1.97(b) (2)). No fee or certification is required.
- c. ☐ before the mailing date of a first Action on the merits (37 C.F.R. § 1.97(b) (3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below, or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).

V. THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(c):

(check one box)

- ☐ before the mailing date of a Final Office Action under 37 C.F.R. § 1.113 (See 37 C.F.R. § 1.97(c) (1)) or before the mailing date of a Notice of Allowance under 37 C.F.R. § 1.311 (See 37 C.F.R. § 1.97(c) (2)).
- a. ☐ No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
- or
- b. ☐ See the certification below. No fee is required.

VI. CERTIFICATION UNDER 37 C.F.R. § 1.97(e) (check only one box)

The undersigned hereby certifies that

- a. ☐ each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS; or
- b. ☐ no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.
- c. ☐ Some of the items of information were cited in a communication from a foreign Patent Office. As to this information, the undersigned certifies that each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

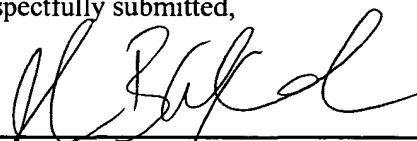
☐ Please charge Deposit Account No. 04-1105 in the amount of \$ _____ for the above-indicated fee. A triplicate copy of this paper is attached.

☒ No fee is required.

☐ Fee enclosed, check in the amount of \$ 180.00.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition, if necessary) and charge the appropriate fee to Deposit Account No. 04-1105.

Respectfully submitted,



John B. Alexander (Reg. No. 48,399)
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July 22, 2003

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